Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Drilling of borewells and providing pipelinde in ward No. 02 of Yelahanka Sub division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	**Geophysical investigation of site for sinking Borewell** for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**								
	Basic Rate	1882							
	Area Weightage 3%	56.46							
	Total	1938.46							
		3				3.00	Each	1938.46	5815.38
2	**Sinking borewell of 165 mm dia** clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) Page no. 46 / I. 9.1 **PRED SR 2012-13**								
	Basic Rate	306							
	Area Weightage 3%	9.18							
	Total	315.18							
	0 to 50 m	3	50.00			150.00	m	315.18	47277.00
	Basic Rate	400							
	Area Weightage 3%	12.00							
	Total	412							
	50 to 100 m	3	50.00			150.00	m	412.00	61800.00
	Basic Rate	445							
	Area Weightage 3%	13.35							
	Total	458.35							
	100 to 150 m	3	50.00			150.00	m	458.35	68752.50
	Basic Rate	470							
	Area Weightage 3%	14.10							
	Total	484.1							
	150 to 200 m	3	50.00			150.00	m	484.10	72615.00
	Basic Rate	544							
	Area Weightage 3%	16.32							
	Total	560.32							
	200 to 250 m	3	50.00			150.00	m	560.32	84048.00
	Basic Rate	583							
	Area Weightage 3%	17.49							
	Total	600.49							
	251 to 300 m	1	50.00			50.00	m	600.49	30024.50

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3	**Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wall thickness 5mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty.PRED III NO 84**								
		3	36.00			108.00	Rmtr	1325.00	143100.00
4	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications.. - 250mm dias. (Page No. 90 Item No. 12.116.5) PWD SR 2018-19								
	Basic Rate	2075.00							
	Area Weightage 6%	124.50							
	Total	2199.5							
		3	6.00			18.00	Rmtr	2199.50	39591.00
5	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings. PAGE NO XLII PWD SR 2018-19								
	15 HP 30 Stage	3				3.00	Unit	63498.00	190494.00
6	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 (Page 92 ITEM NO 13.6) PWD SR 2018-19								
	Basic rate	512.00							
	6% AW	30.72							
	Sub Total	542.72							
		3	225.00			675.00	Mtr	542.72	366336.00
7	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and Powder coated extrued PVC sheathed suitable for working voltage upto 1100 Volts as per IS - 694 ; 1990 AND CONFORMING TO gtp OFGROUP A **P. No. 12/ I No. (2.10.4) 3cx 6.0 Sqm KPWD Electrical SR 2014-15**								
		3	460.00			1380.00	Mtr	188.70	260406.00
8	Supplying and flush polished wood board with out front frount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 44 No.6.6.6 KPWD Electrical SR 2014-15**								
	20x20x2.5	3				3	Each	302.00	906.00
9	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp confirming IS 3975;1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.**P No.55/ I No.7.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2014-15**								
	For borewell	3	25.00			75.00			
						75.00	Mtr	140.40	10530.00
10	Labour charges for laying of 1.1 K.V class UG cable, **P No. 61 / I No. 7.8.1 In existing trencg/duct 6 Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For borewell	3	25.00			75.00			
						75.00	Mtr	10.80	810.00
11	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., completeP No. 62/ I. No.7.9.4 KPWD Electrical SR 2014-15								
	For borewell	3	20.00			60.00			
						60.00	Mtr	117.00	7020.00
12	Supplying and fixing of Class A (mealum duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 62/ I No.7.12.1 KPWD Electrical SR 2014-15								
	40mm dia GI pipe	3	3.00			9.00	Mtr	345.00	3105.00
13	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No.62/ I No. 7.13.2 KPWD Electrical SR 2014-15								
	16Sqmm	3				3.00	NO	280.00	840.00
14	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (P No.55, I No. 7.1) KPWD Electrical SR 2014-15								
		3				3.00	NO	2727.00	8181.00
15	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No 45/I No 6.7.4 KPWD Electrical SR 2014-15								
	100 Amps								
		3	3			9.00	Each	360.00	3240.00
16	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... P No62 I No 7.14.2 KPWD Electrical SR 2014-15								
	25mm dia								
		3	6			18.00	Each	86.00	1548.00
17	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications pno 47 IT 6.16.5 KPWD Electrical SR 2014-15								
	Borewell	3.00				3.00			
						3.00	Each	1547.00	4641.00
18	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 P.No. 49, I. No.6.40.2 KPWD Electrical SR 2014-15								
	16SWG	3.00	220.00	60.00		39600.0			
		3.00	450.00	25.00		33750.0			
						73350.0	Sq.Cm	0.33	24205.50
19	KSRB13-7.1 : Providing and fixing in position nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 - 50 mm Page No.95 Item No. 13.55 / PWD SR 2018-19								
	Basic rate	1330.00							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6% AW	79.80							
	Sub Total	1409.80							
		3				3	NOS	1409.80	4229.40
20	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. - 50 mm P. No.97/ I. No. 13.81.3 PWD SR 2018-19								
	Basic rate	210.00							
	6% AW	12.60							
	Sub Total	222.60							
	50mm dia	3	3.00			9	NOS	222.60	2003.40
21	Gate value 50mm nominal bore-gun metal P. No.XXVI sl No. 661 PWD SR 2018-19								
	50mm dia	3	4.00			12	NOS	1398.31	16779.72
22	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **(Data rate)**								
		3				3	NO	10000.00	30000.00
23	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1. KSRB 2-1.1: – do – Ordinary soil (P.No.6, I.No.2.1) PWD SR 2018-19								
	Basic rate	249.00							
	6% AW	14.94							
	Sub Total	263.94							
		3	110.00	0.60	0.60	118.80			
						118.80	Cum	263.94	31356.00
24	KSRB13-9.4 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 (Page no.96, Item No.13.73.2) PWD SR 2018-19								
	Basic Rate	372.00							
	Area Weightage @ 6%	22.32							
	Total	**394.32**							
		3	110.00			330.00			
						330.00	Rmtr	394.32	130126.00
25	KSRRB M1200-46. Sand filling in wells complete as per drawing and technical specifications including cost of all materials, labour, HOM, form works, scaffolding & centering complete as per specifications. MORTH Specification No.1207 (P.No.217, I.No.27.17 of PW, P&IWTD SR 2018-19)								
	Basic Rate	2757.00							
	Area Weightage @ 6%	165.42							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Total	2922.42							
		3	110.00	0.60	0.15	29.70			
						29.70	Cum	2922.42	86796.00
26	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (Page No. 7, Item No. 2.11) PWD SR 2018-19								
	Basic rate	121.00							
	6% AW	7.26							
	Sub Total	128.26							
	From Pipe line excavation					118.80			
						118.80	Cum	128.26	15237.00
27	BESCOM Deposit	L/S	3			3	Ls	10000.00	30000.00
								SUB Total Construction Cost	1781813.40
								12% GST	213817.61
	Miscellaneous & Rounding off								4,368.99
	GRAND TOTAL								2000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Ward No-02
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Approval
Accorded For Rs.20.00 lakhs only
Head of A/C P3522
CER NO 120/18-19 Dt. 08.01.2019

[IA] [CE (YNK)]

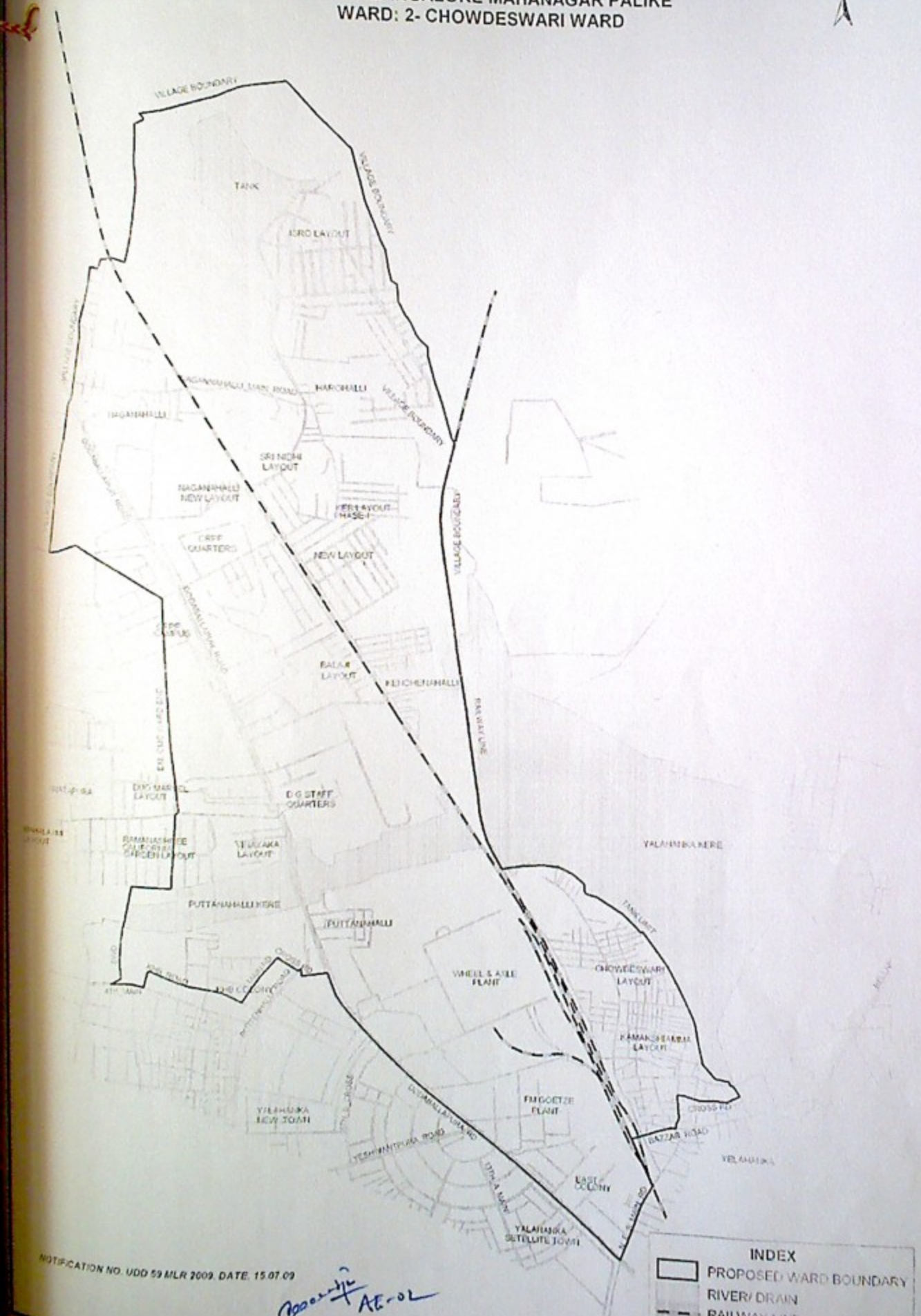
TECHNICALLY SANCTIONED FOR Rs. 20.00 lakhs
Rupees Twenty Lakhs Only
Under P-B522-2018-19
Registered as CE ( ) No.
Subject to condit[illegible] mentioned in
enclosed memo EE ( )
Dt.
LE/E/YNK/TS/24/18-19
Dated 3-2-19

20.00 lakhs

Engineer

150 - YELAHANKA AC

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 2- CHOWDESWARI WARD



NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09

AE-02